

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.
JANUARY 2016



W3OK

CORRAL

**Club Meeting January 8th, 7:30PM At the
Bethlehem Township Community Center**



JANUARY MEETING PROGRAM
"Maple Syrup"
Pete / KC3EVL



MINUTES FROM THE DECEMBER MEETING

A general membership meeting of the Delaware-Lehigh Amateur Radio Club Inc. (the Club) was held on December 3, 2015, at the Bethlehem Township Community Center located in Bethlehem Township, Pennsylvania.

Call to Order: Bill / W3MJ President, called the meeting to order at 1938 hrs.

Pledge of Allegiance: Led by Bill / W3MJ.

Member Happenings: Bill / W3MJ related that while mobile, he made a 59 contact with a station in Kuwait.

Don / W3IKL said that he talked to Bob Meyers / W1XT a former DLARC member in the 1950s when his call was WN3HGN. Don added that Bob is strictly a CW operator and his bio as a featured operator is on QRZ.com. Bill / K3ANS added background on the accomplishments of W1XT.

Approval of the Minutes: Larry / AB3TY asked if there were any additions or corrections to the minutes as they appeared in the last newsletter. Bill / W3MJ asked for a motion to approve the minutes of the last meeting.

Motion: It was moved by Mark / W2MB, second by Jay / N3OW. **Motion carried.**

Treasurer's Report: Mike / KB3LOD presented the Treasurer's Report for October. Bill / W3MJ asked for a motion to accept the report as read.

Motion: It was moved by Jay / N3OW, second by Dave / NB3R. **Motion carried.**

Club Station: Dave / NB3R reported Barry / N3NVA removed two old repeater cabinets from the Milkhouse The station was working with no problems.

Club Repeater: Barry / N3NVA related that an amplifier at the Savacool site will be repaired shortly and 2M coverage for the Bethlehem area will be greatly improved.

Website: Al / W3CE reported the website had not be updated for the email forwarding for the new Board members.

Membership Report: Frank / W3WOW announced the following new members: Ron McCarty / KC3FXD; Sally McCarty / KC3FYI; Alex Smith / KC3FYI; Brian Smith / W3WOR; Tom Julius / KB3YWK; James Gray / K3USZ; Ruth Sweigart / KC4BAB; Judith Turner / KC3FXH; David Heffelfinger / KC3FXK; Dave Maitland / KC3FYJ; John Fenwick / KD2JUM; Elaine Smodish / KC3FYH; James Fox / KJ3FOX; Robert Terry / NM3Y; Leslie Turner / K3LLT; Bernard Ferenchak / WA3VYW; and Dean Guth / KC3FXC. Bill / W3MJ asked for a motion to accept the new member

Motion: It was moved by Al / W3CE, second by Bill / W3MJ. The vote was unanimous for approval. **Motion carried.**

Visitors: Robert who is working on his tech license.

Facebook Page: Skip / KD2BDA said that he had contacted Howard Miller / WO3P. Ben / KB3CTX will now be managing the page.

Northampton County Radio Officer: Al / W3CE announced that George / N3SQD will be taking his place. Al / W3CE made a motion to accept George / N3SQD as the Northampton County Radio Officer, second by Jay / N3OW. **Motion Carried.** George / N3SQD asked for two volunteers to back him up if he is not in the area.

CLUB BI-LAWS: Bill / W3MJ inquired if there had been any discussion among the volunteers reviewing the Bi-Laws.

George / N3SQD said there had been no meetings, but Blair / K3YD had circulated copies of the Club's Bi-Laws and other club's Bi-Laws.

Club Shirts and Jackets: Mark / W2MB said he had order forms for Club shirts and jackets. The cutoff date will be the January general meeting.

Awards: Dave / N3EYT presented two awards to Barry / N3NVA: 2014 Bull-By-The -Horns for 2014 Repeater Maintenance and the same for 2015 with an additional caveat for Club Trustee.

WXMAS: Jon / NJ3I said the WX3MAS special event will be held on December 12 and 13 from 9-5 at the Milkhouse.

Education Classes: Bob / KE3AW said that it was a banner year for the classes. Kudos were given for a tremendous job to Al / W3Ce, George / N3SQD, Steve / N2OPA, and Dean / N3HOG. Bob said Spring classes will begin on March 8 and three people have already signed up.

Adjournment: There being no further business before the Club, the meeting adjourned the meeting at 2015 hrs.
Respectfully submitted by Larry / AB3TY, Secretary

VE TEST SESSION

There will be a test session this month on January 8th at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact George / N3SQD at george@bioserv.com or Al / W3CE at w3ce@arrl.net

JANUARY CONTESTING AT THE OK CORRAL

- January 2 & 3 – Original QRP Contest
- ARRL RTTY Round-up
- January 9 & 10 – UBA PSK63 Prefix Contest
- North American QSO Party - CW
- January 16 & 17 – Hungarian DX Contest
- North American QSO Party - SSB
- January 23 & 24 - YL-ISSB QSO Party – CW/SSB
- BARTG RYYY Sprint
- January 30 & 31 - UBA DX Contest - SSB
- REF Contest - CW



JANUARY QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 HAPPY NEW YEAR	2
3	4	5	6 DLARC Net (K3PDL)	7 DL ARC MEETING 7:30 PM	8 VE SESSION	9
10	11	12	13 DLARC Net (KB3WYJ)	14	15	16
17	18	19	20 DLARC Net (KC3EZS)	21 DLARC BOARD MEETING	22	23
24	25	26	27 DLARC Net (NB3R)	28	29	30
31						

CONGRADULATIONS TO THE FALL CLASS OF2015

Technician Class:

James Fox / KC3FXA – TECH PLUS GENERAL
 Sandy Miller / KC3FXB
 Dean Guth / KC3FXC -- TECH PLUS GENERAL
 Ron McCarty KC3FXD – TECH PLUS GENERAL
 Frank Geueke / KC3FXE
 Robert Heisler / KC3FXG
 Judith Turner / KC3FXH – TECH PLUS GENERAL
 Sally / McCarty KC3FXI
 Bill Brenne / KC3FXJ
 David Heffelfinger / KC3FXK -- TECH PLUS GENERAL
 Elaine Smodish / KC3FYH
 Alex Smith / KC3FYI
 Dave Maitland / KC3FYJ
 Tucker Dunham / KD2JPM
 Todd Fenwick / KD2JUM
 Pat Terry / N3EYX –GENERAL

In addition to those in the class, -Gerry Gonzalez KC3FXF (studied on his own for success in the test. Could not attend classes due to his work schedule)

General Class

Wes Clark / KC3FGH
 Ben Ferenchak / WA3VYW
 Tim Lyons / N2PPK
 Peggy Moser / KC3BNA
 JoAnn Schaffer / KC3EZS

MONTHLY BRAIN TEASER

"A special prize awaits the first Club Member to submit the correct answer to this month's Brainteaser to the Pete / NL7XM, *only*, at nl7xm@arrl.net The winner must be present at the next Meeting to receive it, or it goes unrewarded. Officers, Board members, Newsletter staff, and Brain Teaser Authors are not eligible to win."

de Pete / NL7XM

DECEMBER BRAINTEASER ANSWER



Only the violin can function in anything other than its normally up-right position



Winner – Bob / KE3AW

JANUARY BRAINTEASER

If half of a gleeko is 40% of a treekio, then what is a gleeko divided by a treekio?

MEMBERSHIP DUES ARE DUE!

It's that time, already! DUES are payable for the calendar year 2016. Here's how easy it is to remit your club DUES and keep your valuable D.L.A.R.C. Membership current. Whether in person or by mail, **CHECKS made payable to the D.L.A.R.C.** are the preferred method of payment to more accurately record your timely renewal. Please ensure that your callsign appears somewhere on the instrument, such as in the memo field. Paying with cash is discouraged, but if you really, *really* have to, kindly make certain you are prepared with the correct sum according to the rate table shown below. Remember, if your DUES are not paid by February 1st, your membership will expire.

2016 DUES Rates / No Changes

Regular Membership 18-64 years of age:

Jan. - Dec.\$17.-

65 and over, or retired from all forms of employment (no age limit)

Jan. - Dec.\$12.-

Additional Family member
each \$3.-

Associate Individual Membership
\$10.-

You are strongly encouraged to MAIL your DUES so that I may conduct the bulk of the record-keeping duties apart from where I believe you deserve the most of my attention. In person at Club Meetings, I'd prefer to answer your questions, address your concerns, and welcome your thoughtful revenue raising and savings ideas. Therefore, it is firmly advocated that DUES correspondence be mailed to:

Michael J. Gower

1511 Shelbourne Drive

Bethlehem, Pa. 18018

Enclosing a S.A.S.E will bring your new membership card back to you immediately if you can't attend the next Meeting where they are routinely distributed. You may write to me anytime with questions regarding DUES, or to discuss issues that you believe are my responsibility at: Treasurer@dlarc.org Include your phone number if you prefer a live reply.

de Mike / KB3LOD, DLARC Treasurer

HARD COPY SUBSCRIPTION

You must sign up if you want a hard copy newsletter subscription. The rate is \$12, this is exclusively for the newsletter only, to cover printing and mailing. The price of maintaining a Bulk Mailing Permit is too expensive to justify with the size of our membership, thus the first class postage requirement. This will squarely cover the cost of paper and printing supplies for 12 issues. To subscribe contact Pete / NL7XM at nl7xm@arrl.net

DECEMBER MEETING PROGRAM

The December's meeting is the annual Holiday Celebration. Members and their families attend bearing gifts of food and other goodies to share with other members and their families. It is renewal of old friendships and the developing of new friendships. This has been an annual event for many years, and the attendance shows this. Carols sung and over all high enthusiasm for this joyous event.



Silent Key

The D.L.A.R.C. Wishes to honor and to express its sadness at the passing of a club member or former club member.

GARY MILLER / KD3EO

Silent Key

The D.L.A.R.C. Wishes to honor and to express its sadness at the passing of a club member or former club member.

ELMER BUSH / W3FVT

EARTH SHADOW
Propagation related to earth shadow
by Michael Higgins, EI0CL

Not well understood it seems but the Earth Shadow has an enormous effect on over the horizon single and multi hop propagation on the HF bands.

Once the Ionized Layers are illuminated by the sun we generally get good refraction above certain frequencies which can and do vary (dependent of course on take off angle and so on). As we approach the poorer part of the 11 year cycle we can see this phenomena better.

With the Earths rotation relative to the sun we naturally and inevitably get areas on Earth which are gradually illuminated and then darkened by the apparently moving shadow (the earth is spinning & rotating too silly) relative to the sun in this case-- also we are moving relative to the other galaxies outside our own solar system.

When darkness comes as a result of this rotation so the refraction characteristics change too

In the evenings then the East to West HF propagation at MUF (regardless of what it actually is in MHz) is usually better than the West to East.

The shadow appears to move Westwards at appx. 1000MPH at the equator so its quite noticeable. (In fact the Earth is rotating Eastwards at the same speed) speaking from Planet Earth

If we project ourselves well out into space and view the Earth and Sun from a distance we would have a better overview. Observe it and see for yourself even from Earth. .

The West to east suffers attenuation (in fact signals not being refracted) or going straight through the less ionized layers- while the East to West signals are better refracted (less attenuated) being refracted by the more existed (by the sun) ionized



layers.

Attenuation is my way of describing less than perfect refraction in the above case. Just in case someone loses focus, I'm not discussing attenuation per se or even levels of attenuation. Just the phenomena we like to call by that name. This phenomena is best observed in the twilight zone.

NEW MEMBERS

The DLARC is continuing to grow, so be sure to greet our new members, shake their hands, and give them a warm welcome to our club. We are pleased to welcome 17 new members this month. The newest members are Ron McCarty / KC3FXD; Sally McCarty / KC3FYI; Alex Smith / KC3FYI; Brian Smith / W3WOR; Tom Julius / KB3YWK; James Gray / K3USZ; Ruth Sweigart ; Judith Turner / KC3FXH; David Heffelfinger / KC3FXK; Dave Maitland / KC3FYJ; John Fenwick /KD2JUM; Elaine Smodish / KC3FYH; James Fox / KJ3FOX; Robert Terry / NM3Y; Leslie Turner / K3LLT; Bernard Ferenchak / WA3VYW; and Dean Guth / KC3FXC.

AMATEUR RADIO CLASSES – SPRING 2016

DLARC will offer free classes to anyone (ages 8 to 80+) who may be interested in becoming an Amateur Radio Operator. The classes are designed to help potential amateur radio operators learn about amateur radio, and prepare them for the FCC Amateur Radio multiple-choice examination leading to the Amateur Radio license.

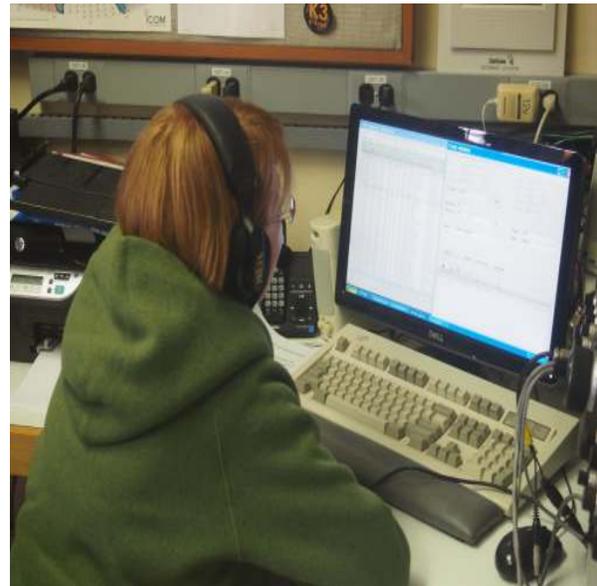
The classes will begin on Tuesday, March 8, 2016, and will be held for a total of 9 Tuesdays, 7 PM – 9 PM in the Nazareth area.

If you are interested in learning about ham radio and earning your license to transmit on the amateur radio bands, please contact me for details.

If you know someone who may be interested, please have them contact me for details. I'll be happy to answer questions about getting into ham radio, and provide interested persons with directions to the class location from wherever they will be coming.

Bob Green / KE3AW at ke3aw@arrl.net **610 432-8286**

WX3MAS 2015



DLARC'S EQUIPMENT LOANER PLAN

Within the last few months the club's loaner program was updated and restructured. Here is some of the equipment that is available and the rules.

HF equipment:

Kenwood TS-440SAT package

The radio has a built in antenna tuner, also comes with a hand microphone, DC power supply and an Off Center Fed 40 meter antenna.

Kenwood TS-430S package

This radio comes with the matching external antenna tuner, power supply and a 20 meter dipole.

Yaesu FT-840

This radio comes with a hand microphone and power supply

MFJ-9040

This radio is a QRP CW only radio. It has the internal audio filter installed, comes with CW key and power supply.

There are two each MFJ antenna analyzers. Borrow time on the antenna analyzers is limited to a maximum time of one week.

The club also has a large selection of books to choose from in its library.

Rules:

1. Fill out the logbook with the following information when borrowing any piece(s) of equipment. Item(s) borrowed, name, call sign, date, email address and phone number.
2. You may borrow the equipment for up to 90 days. At the end of the 90 day period the equipment must be returned to the club's station. If there isn't anybody waiting to borrow the equipment you have just returned you may continue to borrow the equipment for another 90 days. You can repeat this cycle three times for a total borrow time of one year.
3. It is not the club's responsibility to call you for the return of the equipment, it is YOUR responsibility to return it ON TIME !
4. As mentioned above, the antenna analyzers are on the lender program and can be borrowed for no longer than one week. They are in high demand and for that reason the borrow time is very limited.

If you would like to borrow any of the above mentioned items, stop by the club's station, located in the Milk House, on the Gracedale complex any Wednesday evening.

Barry G. Kery, KU3X

Rhinebeck Aerodrome, Rhinebeck N.Y. Field Trip

On September 27, 2015, as a group meet at Rhinebeck Aerodrome, George N3SQD, and Wendy, AI W3CE, and Barb W3ATC, Bob NE2C, and Laurie, and myself, Doreen K3PDL. (This was a perfect early fall day the weather was perfect, sky was an azure blue with wispy clouds.) With paying your admission a person was given a coupon to be filled out and possibly win a biplane ride.

As a group we visited the different hangars with vintage planes or reproductions of early flying machines. Went to the gift shop and to the museum in the same building.

In the afternoon, the action started with announcer describing each plane taking off and then landing. Some were biplanes (two wings), one a triplane (three wings), a plane made out of lightweight wood – only able to lift off and not fly – too dangerous for lift-off. Then the Red Baron showed and kidnapped the girl and the French aviator saved her, then with all the planes a dog fight ensued with the Red Baron and his planes. All ended well with the French Aviator winning the battle.

After this the announcer pulled the winning coupon, AI W3CE name was called for the free biplane ride, worth \$75.00.

It was a fun relaxing day at Rhinebeck Aerodrome.

Submitted by Doreen Gramling / K3PDL Travel/Event Chair





REDNERS' SUPERMARKETS SAVE-A-TAPE PROGRAM

Here's how it works:

Redner's has a terrific program to support the Club **AT NO COST TO THEM**, if our members simply sign up for a Gas Card that records their shopping points, and give their cash register receipts to, **Pete / NL7XM**, He'll do the rest.

Note: This does not affect your gas points in any way.

HELP THE ENVIRONMENT

Donate your old, empty printer ink cartridges to the Club for recycling. Any brand, model, size or shape; color or black. Please bring them to the meeting in a leak proof ziplock type baggie and give them to Pete / NL7XM. This simple act can help your Club by reducing recurring expenses, and make you feel a lot better about our environment.

RACES EMERGENCY REQUIREMENTS

As of September 2006, NIMS IS-700 and ICS-100 course certifications are required in order to receive the county issued photo IDs. The photo IDs are required by federal law for participation in, on site RACES emergency operations. These courses can be taken on line by going to www.fema.gov and following the directions. These requirements are not needed to participate in the weekly Wednesday nets. The only requirement for these nets is a valid amateur radio license and an interest in emergency communications.



POLO SHIRT \$32.60

DEVON JONES D100 SHORT SLEEVE POLO SHIRT, ROYAL BLUE, AVAILABLE IN SIZES SMALL THROUGH 6XL

WITH EMBROIDERED CLUB LOGO ABOVE LEFT BREAST AND CALL SIGN ABOVE RIGHT BREAST

FLEECE JACKET \$42.60

HARRITON M740 FLEECE LINED NYLON JACKET, ROYAL BLUE, AVAILABLE IN SIZES XSMALL THROUGH 4XL

WITH EMBROIDERED CLUB LOGO ABOVE LEFT BREAST AND CALL SIGN ABOVE RIGHT BREAST

ORDERS NEED TO BE PLACED AT A **REGULAR CLUB MEETING** USING THE **ATTACHED FORM**, ON OR PRIOR TO THE **JANUARY 7, 2016** MEETING.

PAYMENT WILL BE BY **CHECK ONLY** DUE AT THE TIME OF ORDER.

CHECK MADE PAYABLE TO: **ALL SPORTS STADIUM**

DELIVERED ORDERS NOT PICKED UP AT THE CLUB MEETING WILL BE LEFT AT THE CLUB STATION (MILKHOUSE) FOR PICKUP. MARK, W2MB, IS FACILITATING THE ORDER ONLY. ANY ISSUES TO BE RESOLVE BETWEEN THE BUYER AND THE VENDOR

VENDOR

ALL SPORTS STADIUM, ATTN: LISA, 297 ROUTE 31 SOUTH, WASHINGTON, NJ 07882 908-689-0411

-----PLEASE PRINT-CLEARLY-----

NAME: _____ CALL SIGN: _____

CONTACT PHONE: _____

QUAN JACKET OR SHIRT SIZE TOTAL _____

1. _____

2. _____

CHECK TOTAL: _____

F.Y.I.

The February Program will be Northampton County District Attorney John Morganelli.

The D.L.A.R.C. meets the "FIRST" Thursday of each month. Membership, friends and interested persons meet at the Bethlehem Township Community Center, 2900 Farmersville Road, Bethlehem, Pa. 18020) at 7:30 PM. Committee reports and announcements of all present and future activities will be presented at that time. Followed by that month's program.

ARES, RACES AND DLARC NET

All Radio Amateurs are welcome to participate in the ARES, RACES and DLARC net. This net meets Wednesday at 1900 hours local time, on the W3OK Repeater 51.76, 146.70 and 444.90 (pl 151.4). With an alternate frequency of 147.370 (DCS 315) W3OI Repeater.

The EASTERN PENNSYLVANIA District 2 ARES Net meets every Wednesday at 1930 hours local time. (Just after the DLARC Net) On 147.255 (pl 162.2). And linked to 449.375 on Blue Mountain, 443.350 in Allentown and 147.180 in Berks County.

QCWA Chapter 17 holds a net Monday evenings at 8:30 PM on 3960 +/- depending on conditions.

Mid-Atlantic D-Star Net meets each Tuesday at 7:30 PM. The following repeaters Dstar repeaters are available in the Lehigh Valley. W3OK -145.11000MHz -0.600 Port C – W3OI -147.16500MHz +0.600 Port C, – W3OI - 445.02500MHz -5.000 Port B All repeaters on the net are linked through **Reflector 020 port A**, so all stations checking into the net should make sure that they have *their local repeater call sign followed by the letter "G" in the eight position of the RPT2 field*. Otherwise, you will only be heard locally and not over the Reflector. Dongle users wishing to check into the net should Log On by connecting directly to Reflector 20, port A, rather than through your local repeater in order to conserve local bandwidth.

The OK Corral is an organization publication for the purpose of informing members of the D.L.A.R.C. of educational and training opportunities, club events, relevant news articles and a monthly calendar of daily activities, meetings and dates.

The Clubhouse telephone number is 484-895-7038.

**EXECUTIVE COMMITTEE 2015 – 2016
OFFICERS**

President – Bill Connelly / W3MJ ----- president@dlarc.org
Vice President – Steve Harper / KB3WYJ ----- vicepresident@dlarc.org
Secretary – Larry Kaplan / AB3TY ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

Gabe Lantos / KZ2A ----- gpl3639@gmail.com
Skip Leslie / KD2BDA ----- mleslie105@aol.com
Bob Oppen / NE2C ----- oppen.robert@yahoo.com
Evelyn Uhler / W3DOY ----- evelynuhler@hotmail.com
Dave Mellman / KA3IWC ----- dbm073@gmail.com
Jay Mason / N3OW ----- n3ow@rcn.com

**PHONE NUMBERS FOR THE EXECUTIVE COMMITTEE OF THE DLARC
CAN BE FOUND ON THE WEBSITE / MEMBERSHIP LISTING
CLUB MEETINGS**

All regular meetings of the D.L.A.R.C. Are held on the first Thursday of each month at 7:30 PM at the Bethlehem Township Community Center
TALK IN ON 146.700 (PL 151.4)

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

**The W3OK Corral is published monthly and is the Official Publication of the
DELAWARE LEHIGH AMATEUR RADIO CLUB INC.**

**14 Gracedale Avenue
Nazareth, Pa. 18064-9211**

THE NEWSLETTER STAFF

Editor – Don Holmes / KC3II ----- editor@dlarc.org
Web Master – Brad Snyder / W3JXQ ----- w3jxq@dlarc.org
Circulation – Paul Morrison / N3YNT ----- n3ynt@aol.com